

ABSTRACT OF THE DISCLOSURE

Genetically modified cell lines that express a UDP-galactose 4-epimerase (GALE) capable of interconverting UDP-galactose (UDP-gal) and UDP-glucose (UDP-glc), but essentially incapable of interconverting UDP-N-acetylgalactosamine (UDP-galNAc) and UDP-N-acetylglucosamine (UDP-glcNAc).